# Kansas HazMat/WMD Symposium

1939 Diedrich Haysville, KS 67060



October 24 - 29, 2006 Wichita, Kansas



















# Welcome to the 15th Annual Kansas HazMat/WMD Symposium

# October 24 - 29, 2006 Contents of this brochure:

- Welcome and Invitation
- Keynote/Guest Speaker Information
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Welcome to the 15th Annual Kansas HazMat/WMD Symposium. You might have noted the symposium's name has changed. It was decided to change the name to more accurately reflect the classes that are being offered which also reflect the changes in some of the new standards that will soon be released. This year's event promises to be one of the best yet. Our committee has arranged for some of the finest speakers and instructors in the country to be presenters at this year's symposium. We have scheduled several multi-day ODP and ICS classes that we know will be excellent learning opportunities. All of the instructor bios will be listed on our web-site and we encourage you to check them out. Thanks for your continued support and attendance and we look forward to seeing you this year.

- Kansas HazMat/WMD Symposium
  - Committee

# Keynote Speaker Jack McCartt

Jack recently retired from his position as the Deputy Chief of Operations at the Boca Raton Fire Rescue Services Department in Boca Raton, Florida. He has over 25 years of experience in emergency response and holds certifications in Florida as a Firefighter, Paramedic, Fire Officer, Fire Instructor, Hazardous Materials Technician, Confined Space Rescue Technician, and Fire Inspector. Jack hold degrees in Fire Science and Health Sciences and is an active trainer for many organizations including the NFA, the Department of Defense, and the Department of Justice. During the past several years Jack has worked extensively as a course reviewer and Subject Mater Expert evaluating terrorism related courses for the Department of Justice and the Department of Homeland Security. Jack is involved in developing courses for emergency responders in areas of Fire, EMS and Hazardous Materials.

# Special Guest Speaker Alan Brunacini (Bruno)

(Friday am and a repeat in the afternoon)

Volumes could be written about what Mr. Brunacini has contributed to the response community, but when asked to submit a bio for our conference this is what we received.

"Alan Brunacini joined the Phoenix Fire Department in 1958. He served in every department position. He retired in 2006. He has done some speaking and writing."

We are very fortunate to have him speaking this year, so check out the description of his talk "Multi-Agency Response" and plan to attend.

# Tuesday October 24

7:00 am - 8:00 am - Check-in at class location

8:00 am - 5:00 pm - Breakout Sessions

12:00 pm - 1:00 pm - Lunch provided for WMD classes

# Wednesday October 25

7:00 am - 8:00 am - Check-in at class location

8:00 am - 5:00 pm - Breakout Sessions

12:00 pm - 1:00 pm - Lunch provided for WMD classes

# Thursday October 26

7:00 am - 8:00 am - Check-in at 4-H Extension

Center, 21st and Ridge Road

8:00 am - 5:00 pm - Breakout Sessions

12:00 pm - 1:00 pm - Lunch on your own

# Friday October 27

7:00 am - 8:00 am - Check-in at 4-H Extension

Center, 21st and Ridge Road

8:00 am - 5:00 pm - Breakout Sessions

12:00 pm - 1:00 pm - Lunch on your own

Evening - Social, TBA

# Saturday October 28

7:00 am - 8:00 am - Check-in at 4-H Extension

Center, 21st and Ridge Road

8:00 am - 12:00 pm - General Session

12:00 pm - 1:00 pm - Lunch on your own

1:00 pm - 5:00 pm - Breakout Sessions

6:00 pm - 11:00 pm - Social, House of Schwan

# Sunday October 29

7:00 am - 8:00 am - Check-in at 4-H Extension

Center, 21st and Ridge Road

8:00 am - 5:00 pm - Breakout Sessions

12:00 pm - 1:00 pm - Lunch on your own

# **General Information**

#### REGISTRATION

- Registration must be done online at www.kansas-hazmat.com.
- If you are unable to access the internet, a completed registration form may be mailed to Sam Konkel at 1939 E. Diedrich, Haysville, KS 67060. If you have any questions contact Sam Konkel at 316-641-6617.
- Full payment, confirmation via student # or agency purchase order must accompany the registration. Make checks payable to Kansas HazMat/WMD Symposium.
- On Tuesday and Wednesday, check-in will be on site at the class locations. Note the
  locations are listed on the class description and an e-mail will be sent to those registered
  for each class to confirm the locations. On Thursday Sunday, check-in will be at the
  4-H Extension Center, 21st and Ridge Road. Note: no confirmations will be sent out.
  Please print a copy of your registration page for your records.
- Registration will start at 7:00am at all locations.

#### LODGING

- Lodging is available at Hawthorn Suites, 2405 N. Ridge Road, 316-729-5700, Airport Best Western, 6815 W. Kellogg, 316-942-5600, or Northrock Suites, 7856 E. 36th St North, 316-634-2303.
- Reservation must be made by October 14 to hold your room.
- Please mention the Kansas HazMat/WMD Symposium when making reservations.

#### FEES

One Day = \$40 Two Days = \$80 Three Days = \$100

#### TUITION GRANTS

 Tuition grants will be available to those responders who pre-register via the web page (Fire, Law Enforcement, Public Works, CERT, Environmental Health, EMS, Emergency Management, Hospitals). A student ID number will be issued upon registration as acknowledgment of tuition being granted.

#### REFUND/CANCELLATION POLICY

We encourage you to send a qualified substitute if you cannot attend. If you are not able
to attend please contact Sam Konkel prior to October 18th. If you do not provide notice
of cancellation prior to 18th, you and/or your agency may be held liable for registration
fees. A full refund of registration fees will be made (other than grants) if notification is
made prior to the 18th. The liability of the Kansas HazMat/WMD Symposium is limited to
the registration fee. Kansas HazMat/WMD Symposium will not be responsible for any
losses incurred by the registrants, including but not limited to airline cancellation
charges and hotel reservations.

#### CEU'S

CEU's will be issued for the following disciplines: Kansas EMT and others being applied for.

#### CERTIFICATES

An overall certificate of attendance will be given for the Symposium.
 Agencies delivering specialized classes will issue certificates for those classes.

#### SOCIAL EVENTS

 Friday evening social is To Be Announced. Join us on Saturday night at the House of Schwan in Wichita from 6:00pm - 11:00pm. Dinner and drinks will be provided.

# Symposium Course Descriptions

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# Chemistry Review - Glen Joseph – Boca Raton Fire Department

#### (8 hr session - Sunday)

This course is designed to be a twelve hour accelerated review of the Chemistry for Emergency Response; the National Fire Academy's curriculum. We strongly recommend that the participants have taken either Chemistry of Hazardous Materials or the NFA's Chemistry for Emergency Response; if you have not taken those classes, this class can serve as a preview to those classes.

We will review: Atomic Structure, Salts families, Hydrocarbon families, and Hydrocarbon Derivatives families. We will discuss the hazards of those families and how the responder can protect himself and the crew from the effects of an exposure to the most commonly used chemicals. At the end of the class all participants will be given CD-ROM with a computer-based tutorial to review the concepts discussed during the day. The CD-ROM was produced and developed by the National Fire Academy is can be distributed freely.

#### CST Interface (Session 1) - 73rd CST

#### (2 hr sessions - Friday and Saturday)

This session is designed as in introduction to the Civil Support Teams. Representative from the 73rd CST will be on hand to provide information about what they have to offer in the event of a WMD attack. There will be a brief overview of what is a WMD and discussion on response considerations. This session will be of particular interest to those who may be in command of a WMD event because the role of the CST in local response.

#### CST Interface (Session 2) - 73rd CST

#### (2 hr session - Friday)

During this session members from the 73rd CST will discuss site characterization and sample collection that could be done prior the CST arrival (provided responders have the equipment and the required training to do so). This session will also go into monitoring technologies for WMD, some of which will be demonstrated.

#### EMAC - Dan Hay, KDEM

#### (4 hr sessions - Thursday pm. Friday am)

EMAC, the Emergency Management Assistance Compact, is a congressionally ratified organization that provides form and structure to interstate mutual aid. Through EMAC, a disaster impacted state can request and receive assistance from other member states quickly and efficiently, resolving two key issues upfront: liability and reimbursement. Mr. Hay will discuss in detail how EMAC works and talk about the new intrastate agreement that was passed earlier this year. Dan will also talk about the "Incident Management Teams".

#### Foreign Animal Disease Response – Dr. Brian Archer, USDA

#### (4 hr sessions - Thursday am and pm)

This course is designed to provide training throughout the Emergency Response community for an effective and rapid response in the event of a foreign animal disease outbreak. The training will provide current best practices and safety issues in the areas of quarantine procedures, PPE, euthanasia and disposal of animals, and cleaning and disinfections operations.

# Foreign Animal Disease Response - Train the Trainer Mat Mercer, Regional Coordinator Homeland Security and Steve Wilterding, KAHD Livestock Inspector

#### (8 hr session - Friday)

This 8 hour course will develop a cadre of instructors for the purpose of training Emergency Responders across Kansas who will have knowledge, skills, and abilities to assist State and Federal Response authorities should a foreign animal disease outbreak or critical event impact our agricultural industry.

## Handling Spills (Track) – Rod Kramer, KOCH Industries, Eric Nold. EPA. and Brandon Dills. Co-Mark. Inc.

#### (2 hr sessions - Friday, Saturday and Sunday - see registration for classes)

In response to some of the most common spills/releases that occur every year this track offers training in 2 hour blocks. The topics of the four sessions include how to handle chlorine, corrosives, ethanol, and mercury releases.

#### HazMat Operations Level Class – Committee's Instructors

#### (20 hr session – all day Friday and Sunday, Saturday afternoon)

- Participants in this class will receive training that meets the competencies of NFPA 472
- Operations Level. Topics to be covered include chemical and physical properties, personal protective equipment, decon, and the use of the incident command system. The competencies
- learned during this class will be reinforced by a hands on scenario followed by a written test.
- Those who successfully complete the class will be issued a certificate. Students who have
- bunker gear are asked to bring this with them on the final day of class.

#### HA7WNPFR Refresher - ISI

#### (8 hr session - Thursday only)

- This class is intended for anyone who needs to have an 8-hour refresher to satisfy OSHA
- regulations. This refresher will cover such topics as chemical and physical properties, PPE,
  - Decon, Incident Command and will take a look at action plans.

#### HMRU – Charlie Onesko & Mike Miller, FBI

#### (4 hr sessions - Saturday pm, Sunday am and pm)

- This workshop will provide an introduction and look into the operations of the FBI's Hazardous
- Materials Response Unit. Through case studies presenters will discuss integrated operations with state and local responders and insight into working alongside HMRU.

#### Hvbrid HazMat – Brett Parham

#### (2 hr sessions - Thursday am and pm, 2 hr session - Friday pm)

- During this session the presenter will discuss some of the issues the responders could face while working in or cutting on a hybrid vehicle that has been involved in a vehicle accident.
- With larger batteries these cars contain more acid and they operate at high electrical voltages.
  - Student will get a chance to view a hybrid car close up and have any response questions answered.

#### ICS – 300 - KDEM Instructors

#### (2 days - Tuesday and Wednesday)

This 2-day class is designed to meet the required objectives under NIMS for middle management, strike team leaders, task force leaders, unit leaders, division/group supervisors, directors and multi-agency coordination system/EOC staff.

#### ICS – 400 - KDEM Instructors

#### (2 Days - Thursday and Friday)

This 2-day class is designed to meet the required objectives under NIMS for command and general staff, agency administrators, department heads, emergency management commanders, and multi-agency coordination system/EDC managers.

#### Identifying Unknowns – EPA

#### (4 hr sessions - Saturday afternoon and Sunday am and pm)

- Class begins with a brief introduction into chemical and physical properties. This is followed
- by a short demonstration on proper procedures on how to collect samples. Using various reagents, test strips and procedures, the attendee will then learn methods for classifying
- unknown samples. Those attending will receive the kits used to perform the field screening.
   (each class will be limited to 15 persons)

### Incident Response to Terrorist Bombings - EMRTC

#### (4hr sessions – Friday and Sunday Mornings)

- This course is designed to prepare emergency responders to perform effectively and safely during bombing incidents, principally in support roles within the warm and cold zones of the
- incident scene. The course includes a familiarization with improvised explosive devices (IED's) and explosive materials and detailed training on critical response actions during pre-and
- post-detonation operations. In addition, the course addresses actions that emergency responders
  can take to prevent and/or deter bombing attacks against targets in their communities.

# Lead. Mold. and Asbestos – Rex Smith. WATC

#### (2 hr sessions - Thursday am and om)

- This class will give those attending a base knowledge of the hazards of each lead, mold and
  - asbestos. The instructor will give a brief history of each and talk about the health, safety and regulatory issues in handling each. There will information given on how to pursue additional
  - education and training on these issues.

# Multi-Agency Response – Alan Brunacini, Phoenix Fire Department (retired)

#### (4 hr sessions - Friday am and pm)

This workshop will cover some of the issues that are currently involved in local incident management. These local, everyday hometown command operations set the stage and provide the foundation for how we will perform on larger, longer events. The most accurate way for us to predict how we will do when a big deal occurs is to simply watch how we do when a little deal happens where we must use our local system, with our local resources operating with our next-door neighbors. Basic command functions, unified operations with a variety of other agencies (next door), responder safety and customer service will be covered using an informal, discussion based format.

#### Pandemic Flu - Instructor TBA

#### (4 hr sessions - Thursday am, Friday pm)

Although they're not considered Hazmat or WMD there has been a lot of concern with the spread of viruses over the last few years. Ebola, SARS, West Nile and now the Avian Flu just to name a few. This session will look at what has been and what is being done to help combat the spread of these diseases and how we on a local level can be more prepared to respond should an out break occur.

### Prevention of & Response to Suicide Bombing Incidents - EMRTC

#### (4 hr sessions - Friday, Saturday and Sunday afternoons)

This course provides training on the suicide bombing threat. The course includes familiarization with improvised explosive devices (IED's) and explosive materials typically used in suicide bombings. It also addresses actions that individual emergency responders can take to assist in prevention or deterring suicide bombings, as well as techniques, tactics, and procedures that support an effective and safe response to a suicide bombing.

## Radiological Incidents – David Lawrenz and Stewart Steen, KDHE

#### (4 hr sessions - Thursday and Friday am and pm)

Radiological material is used in a wide variety of applications and transported over every highway, from the mundane of low level waste to the more novel: nuclear fuel and decommissioned reactors. Through class instruction basic terminology and concepts will be presented. Hands on work will familiarize you with the use of common radiation detecting meters, dosimetry, and survey techniques.

#### Reading IR Spectra - Smith Detection

#### (2 hr sessions - Friday morning and afternoon)

The use of a computerized spectral library for identification of chemical substances has greatly simplified this task. However, due to the complexity of environmental samples there is a potential for error. Visual examination of infrared spectra can provide useful information to support or question the identity of a substance provided by the instrument. Characteristic features of infrared spectra are described and then applied to the interpretation of spectra. This is an interactive presentation with the participants practicing correlation of spectral features with functional groups to identify chemical compounds.

#### Risk Based Response to Hazmat Incidents - Jack McCart

#### (4 hr sessions - Saturday pm, Sunday am and pm)

The new NFPA 472 defines Risk-based response as a systematic process by which responders analyze a problem involving hazardous materials/weapon of mass destruction, assess the hazards, evaluate the risk, and determine appropriate response actions based on fact, science and the circumstances of the incident. Risk-based response increases the flexibility with which trained, knowledgeable, and experienced responders can operate. Chief McCartt will provide a systematic process that NFPA 472 recommends and will incorporate the sharing of smart practices and lessons learned in this 3.5 hour workshop.

## Technologies on the Web – Debbie Nickels, KDHE & Randi Stahl, KDEM

#### (2 hr sessions - Thursday am and pm, Friday pm)

This session will showcase two different web based technologies, Web EOC and KS-Train. Each instructor will give a brief over view and answer any questions from the audience.

#### The New 472 – Wayne Yoder, NFA

#### (4 hr sessions - Saturday pm, Sunday am and pm)

Every 5 years the NFPA committee convenes to review the Hazmat standards and make needed changes. In view of what's happened since 9/11 there are numerous changes in the new version of the standard that is due out in 2007. These changes will be far reaching as the NFPA standards are referenced in the Code of Federal Regulations (CFR – OSHA, EPA, etc.) and in NIMS. Mr. Yoder will highlight the changes and explain the impact those changes will have on all responders and industry.

# Toxicology Review - Glen Joseph - Boca Raton Fire Department

#### (4 hr sessions - Friday am and pm, Saturday pm)

This course is designed to be a three hour review of the fundamental concepts of toxicants and their effects on the human body. We will review the pathophysiology of some of the most common pesticides and industrial compounds such as: Physical, Properties/Exposure Limits, Pesticides/WMDs, and Irritant Industrial Gasses. We will discuss the mechanism of harm for each group of poisons and the health consequences of an acute or chronic exposure. We will also discuss the most reliable sources of information when treating an acute occupational exposure, the hazard of secondary exposure to the responder and the personal protective equipment required when treating and transporting the exposed patient. Each participant will be given electronic version of the following documents; the Managing Hazardous Materials Incidents volumes I, II & III published by ATSDR a division of the CDC and the Recognition and Management of Pesticide Poisoning by the USEPA. Both documents are available from the Federal Government's printing office and can be distributed freely.

#### Understanding Monitors - Patrick Lewis, Sandia Labs

#### (4 hr sessions - Saturday pm, Sunday am and pm)

One of the most important parts of any hazmat response is using the appropriate monitoring equipment and then correctly interpreting the readings given. Patrick will cover the operations of the most common technologies beginning with the basics moving up to some of the more advanced equipment. Mr. Lewis will discuss some of the newer technologies that are being developed.

#### Understanding Railroad Tank Cars - Lane Sekavec, UP Railroad

#### (4 hr sessions - Saturday pm, Sunday am and pm)

This presentation will provide basic knowledge of tank cars to help a responder accurately identify tank car types, components and fittings. With this knowledge, response personnel can communicate tank car problems to a knowledgeable resource using accepted terminology. Participants will have hands-on access to all the valves and fittings that would be found on a tank car through the use of a specially equipped training trailer. The Union Pacific trailer will allow the class members to exercise the knowledge they gain from the classroom time. It is equipped with a manway from a general service car and protective housings from pressure and chlorine cars as well as the fittings for an acid car. In addition, there are numerous other valves and fittings on the car that can be explored and experimented with.

# What you NEED to know about Reporting Spills - EPA /KDHE

#### (2 hr sessions - Friday, Saturday, Sunday am)

When spills happen do you know who is required to report it and how it needs to be done? This session will evolve around the regulations that require reporting, who is required to report, when a spill is required to be reported and how soon it needs to be done. The presenters will also talk about reportable quantities and changes of state agencies that need to be notified. This class is recommended for industry personnel and anyone who could be in a command position on a spill.

## WMD Emergency Medical Operations and Planning Texas Engineering Extension Service

#### (3 days - Tuesday-Thursday)

This course trains emergency personnel of all disciplines to properly perform Patient triage, treatment and transportation in the event of chemical exposure to chemical, biological, radiological, nuclear and explosive weapons. The course consists of lecture, small group exercises, hands-on activities, and task oriented practical applications using state-of-the-art human patient simulators. Upon completing the course, participants will be able to demonstrate the skills necessary for proper detection and monitoring, triage, mass decontamination, treatment, stabilization, self-protection, and cross-contamination prevention. Topics covered include: Patient triage, transportation and treatment in the event of exposure to CBRNE weapons, decontamination, and limiting cross-contamination.

#### Prerequisites:

Participants must complete two online courses before attending the course. To obtain these courses, visit <a href="https://www.teexwmdcampus.com">www.teexwmdcampus.com</a> and complete Terrorism awareness for the First Responders & EMS Concepts for WMD Incidents. These Internet courses are available at no cost to the participants. Registration for this class is through <a href="https://ks.train.org">https://ks.train.org</a>. Questions? Please contact Lety Arzate at: larzate@agtop.state.ks.us

# WMD Public Safety Sampling Techniques and Guidelines Louisiana State University

#### (3 days - Tuesday-Thursday)

This course includes classroom discussions, practical skills development stations, and scenario-based exercises, though 60% of the course is skills development and scenario-based exercises. The skills are generally intended to develop individual skills, while the exercises are all team based. The Exercises follow the "crawl, walk, run" process in complexity. Among the skill stations included in the course are detection and monitoring devices, sampling techniques, documentation procedures, screening techniques, and "dirty-clean person" procedures among others. Registration for this class is through http://ks.train.org. Questions? Please contact Lety Arzate at: larzate@aqtop.state.ks.us

# 2006 Kansas HazMat/WMD Symposium Registration Form

Time

Location

Tuesday & Wednesday

PLEASE PRINT	Date				<ul><li>Hospitals</li><li>Industry</li><li>Emergency Management</li><li>Other</li></ul>
Name	Last	First	MI	Tuition/PO #	
Home Address				Employer	
City	State	Zip		Fax #	E-Mail

Disciplines: (Check One)

Law EnforcementPublic Health

Time

Location

 $\bigcirc$  Fire

○ EMS

○ CERT

This information will only be used for registration purposes. You will be required to show photo identification at registration.

By submitting this form you release Kansas HazMat/WMD Symposium form any liability.

# Symposium Course Schedule

Friday Continued

WM	1D Emergency Medical Operations and Planning (3 day o	lass days 1 & 2) 8:00 - 5:00	Wesley Med Cntr
$\bigcirc$	WMD Public Safety Sampling (3 day class - days 1 & 2)	8:00 - 5:00	Haysville
$\bigcirc$	ICS 300 (2 day class)	8:00 - 5:00	SCFD Station 37
	Thursday		
0	WMD Public Safety Sampling (day 3)	8:00 - 5:00	Haysville
$\bigcirc$	WMD Emergency Medical Operations and Planning (day 3)	8:00 - 5:00	Wesley Med Cntr
0	HAZWOPER Refresher	8:00 - 5:00	21st Street
$\bigcirc$	ICS 400 (2 day class - day 1)	8:00 - 5:00	SCFD Station 37
$\bigcirc$	EMAC	1:00 - 5:00	21st Street
$\bigcirc$	Street Radiological Incident	4 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	Foreign Animal Disease Response	4 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	Pandemic Flu	4 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	Lead, Mold and Asbestos	2 hrs 8:00am, 1:00pm	
$\bigcirc$	Technologies on the Web (Web EOC & KS Train)	2 hrs 10:00am, 3:00pm	21st Street
$\bigcirc$	Hybrid HazMat	2 hrs 10:00am, 3:00pm	21st Street
	Friday		
$\bigcirc$	Multi Agency Response	4 hrs 8:00am, 1:00pm	21st Street
$\tilde{\bigcirc}$	ICS 400 (day 2)	8:00 - 5:00	SCFD Station 37
Ō	HazMat Ops (3 days)	8:00 - 5:00	21st Street
$\bigcirc$	Foreign Animal Disease (train the trainer)	8:00 - 5:00	21st Street
$\bigcirc$	Taxicalogy Review	4 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	IRTB	4 hrs 8:00am-12:00pm	21st Street
$\bigcirc$	PRSBI	4 hrs 1:00pm - 5:00pm	21st Street
$\bigcirc$	Radiological Incidents	4 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	Handling Spills - Chlorine & Corrosives	8:00am	21st Street
$\bigcirc$	Ammonia	10:00am	21st Street
$\bigcirc$	Mercury	1:00pm	21st Street
$\bigcirc$	Ethanol	3:00pm	21st Street
$\bigcirc$	EMAC	4 hrs 8:00am-12:00pm	21st Street
$\bigcirc$	Pandemic Flu	4 hrs 1:00pm - 5:00pm	21st Street
$\bigcirc$	Reporting Spills	2 hrs 8:00am, 1:00pm	21st Street
$\bigcirc$	Technologies on the Web	2 hrs 10:00am, 3:00pm	21st Street
	CST Interface Session 1	2 hrs 8:00am	21st Street